

Title (en)
DC-BRUSHLESS-MOTOR CONTROL DEVICE

Title (de)
STEUERUNGSVORRICHTUNG FÜR BÜRSTENLOSEN GLEICHSTROMMOTOR

Title (fr)
DISPOSITIF DE COMMANDE DE MOTEUR À COURANT CONTINU SANS BALAIS

Publication
EP 3306807 A1 20180411 (EN)

Application
EP 16803271 A 20160527

Priority
• US 201562168139 P 20150529
• JP 2016065781 W 20160527

Abstract (en)
Provided is a DC-brushless-motor control device that supplies a current to windings of a stator of a three-phase DC brushless motor which rotates a suction fan of a suction apparatus, the device including: a control unit that controls a rotation speed of a rotor; an operation detection unit that detects an operation on the suction apparatus; and a storage unit in which information indicating a target rotation speed of the rotor is stored by being divided into a plurality of rotation speed levels corresponding to the operation detected by the operation detection unit, in which the control unit controls the rotation speed of the rotor by feedback of the rotation speed of the rotor or by feedback of the current value supplied to the windings in a case where the rotation speed of the rotor that is indicated by a cycle of movement of a magnetic pole position detected by a magnetic pole position detection unit exceeds the target rotation speed corresponding to the operation detected by the operation detection unit.

IPC 8 full level
H02P 6/17 (2016.01); **A47L 9/28** (2006.01)

CPC (source: EP US)
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